

What is claimed is:

1. A high output power inverter from a dc voltage source having a service line providing 22 to 36 Vdc from a battery service, the source having a ground return line, the power inverter comprising:

an input toroidal transformer having a primary and a secondary winding, the primary winding having a first end and a second end and a center tap,

switching means for switching the first end and the second end of the transformer alternately to ground during alternate half cycles, a dead time or non-conductive interval being interposed between the first end and the second end of the transformer being switched to ground,

a control circuit for sensing the output voltage and for modulating the on-time of the switching means to maintain an output voltage within a predetermined range,

an acoustic reference for a clock circuit, the clock circuit controlling the start of each power cycle.

2. A high output power inverter from a dc voltage source having a service line providing 22 to 36 Vdc from a battery service, the source having a ground return line, the power inverter comprising:

an input transformer having a primary and a secondary winding, the primary winding having a first end and a second end and a center tap,

switching means for switching the first end and the second end of the transformer alternately to ground during alternate half cycles, a dead time or non-conductive interval being interposed between the first end and the second end of the transformer being switched to ground,

a control circuit for sensing the output voltage and for modulating the on-time of the switching means to maintain an output voltage within a predetermined range,

an acoustic reference for a clock circuit, the clock circuit controlling the start of each power cycle, and

means for monitoring the output current by measuring the reflected load current in the primary winding,

the transformer secondary having a first and second end, the first and second ends being connected to output terminals.